

EP 518772

DIALOG(R)File 351:Derwent WPI  
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009290212 \*\*Image available\*\*

WPI Acc No: 1992-417621/\*199251\*

XRAM Acc No: C92-185239

Filtering cosmetic compsn. - contg. benzene

1,4-di(3-methylidene-10-camphosulphonic) acid and metal oxide nanopigment

Patent Assignee: L'OREAL SA (OREA ); ETEVE M (ETEV-I)

Inventor: ETEVE M; HANSENNE I

Number of Countries: 018 Number of Patents: 014

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 518772	A1	19921216	EP 92401626	A	19920612	199251 B
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Priority Applications (No Type Date): FR 917255 A 19910613

Cited Patents: DE 3824999; EP 303995; EP 370867

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 518772	A1	F	18	A61K-007/42	
Designated States (Regional): AT BE CH DE DK ES FR GB GR IT LI NL PT SE					
FR 2677543	A1		22	A61K-007/00	
CA 2071277	A	F		A61K-007/42	
JP 5170635	A		11	A61K-007/42	
EP 518772	B1	F	17	A61K-007/42	
Designated States (Regional): AT BE CH DE DK ES FR GB GR IT LI NL PT SE					
DE 69200614	E			A61K-007/42	Based on patent EP 518772
ES 2062874	T3			A61K-007/42	Based on patent EP 518772
AU 662149	B			A61K-007/44	Previous Publ. patent AU 9218209
US 5643557	A		7	A61K-007/40	Cont of application US 92897498
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AU 9218209	A	A61K-007/44	Div ex application US 93119651 Div ex patent US 5643557

Abstract (Basic): EP 518772 A

A filtering cosmetic compsn. comprises, in a suitable support, nanopigment(s) of metal oxides from oxides of Ti, Ce, Zr or their mixts., of mean dia less than 100 nm (pref. 5-50 nm), mixed with (partially) neutralised benzene 1,4-di (3-methylidene-10-camphosulphonic) acid of formula (I).

Where A = H, alkali metal, a gp. NH(R3)(+); the R's are same or different and are H, 1-4C (hydroxy)alkyl or a gp. M(n+1)/n where M(n+) = polyvalent metal cation with n = 2, 3 or 4. Pref. M(n+) = Ca(2+), Zn(2+), Mg(2+), Ba(2+), Al(3+) or Zr(4+). Pref. the compsn. contains TiO2 and an Al salt of (I).

Also claimed are: (1) a process for protecting human epiderm and hair against UV radiation by applying the above compsn., (2) use of the cosmetic compsn. to prevent apparition of photodermatoses and (3) use of (I) for reducing or inhibiting photoinduced reaction fo the above pigments exposed to light.

ADVANTAGE - The metal oxide pigments improve the cosmetic properties of the compsn. and partic. reduce the sticky effect of (I) and the whitening left on the skin after application.

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Title Terms: FILTER; COSMETIC; COMPOSITION; CONTAIN; BENZENE; DI; METHYLIDENE; SULPHONIC; ACID; METAL; OXIDE; NANO; PIGMENT

Derwent Class: A96; D21; E12; E14; E24; E32

International Patent Class (Main): A61K-007/00; A61K-007/40; A61K-007/42; A61K-007/44

International Patent Class (Additional): A61K-007/02; A61K-007/021; A61K-007/027; A61K-007/031; A61K-007/032; A61K-007/06; A61K-007/08; A61K-007/09; A61K-007/11; A61K-007/13; A61K-007/135; A61K-007/48

File Segment: CPI